

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A stent, comprising:
structural material ~~a generally tubular structure of material~~ substantially invisible under magnetic resonance imaging (MRI) visualization that forms [[,]] ~~where the a generally tubular structure having at least a first cell and a second cell, spaced apart from the first cell, the first cell and the second cell facing different directions generally tubular structure includes a cell; and~~
a radio frequency (RF) marker that forms generally concentric loops on only one side defines a perimeter of each of the first cell and the second cell of the generally tubular structure.
2. (Currently Amended) The stent of claim 1 wherein ~~the RF marker is configured to emit RF energy under influence of changing electromagnetic fields in an MRI system, the RF energy generating a visual indication under MRI visualization~~ where the structural material includes struts defining the first cell and the second cell and connectors that interconnect the first cell and the second cell.
3. (Currently Amended) The stent of claim 2 wherein ~~the RF marker comprises a loop of conductive material~~ struts are of a ceramic material and the connectors are of a flexible polymer.
4. (Currently Amended) The stent of claim ~~[[3]]~~ 1 wherein ~~the loop includes a plurality of windings of conductive material that define the perimeter of the cell~~ first

cell and the second cell are located generally at a first end of the tubular structure and have orthogonal axes generally perpendicular to each other.

5. (Currently Amended) The stent of claim ~~[[1]]~~4 wherein the stent further includes a third cell and a fourth cell having the RF marker that forms generally concentric loops on only one side of each of the third cell and the fourth cell, where the third cell and the fourth cell are is intereconnected to additional cells of the generally tubular structure by connectors located generally at a second end opposite the first end of the tubular structure.

6. (Currently Amended) The stent of claim ~~[[1]]~~5 wherein the first cell, the second cell, the third cell and the fourth cell each face different directions relative to one another a portion of a peripheral circumference of the generally tubular structure.

7. (Currently Amended) The stent of claim 6 wherein the ~~peripheral circumference of the generally tubular structure includes two or more of the cells~~ first cell, the second cell, the third cell and the fourth cell each have orthogonal axes that are generally perpendicular to each other.

8. (Currently Amended) The stent of claim 7 wherein at least ~~[[two]]~~ one of the ~~cells include RF markers having multi-loops of conductive material oriented relative to one another to generates [[the]] RF energy under a magnetic field[[s]] applied to the stent in different directions.~~

9. (Currently Amended) The stent of claim ~~[[8]]~~1 wherein the concentric loops multi-loops of the RF markerconductive material are embedded in the structural material of the stent generally tubular structure.

10.-11. (Canceled)

12. (Original) The stent of claim 1 and further comprising:
a magnetic susceptibility marker connected to the generally tubular structure.
13. (Currently Amended) A medical device for use in a body cavity, comprising:
a structure formed of a material substantially invisible under magnetic resonance imaging (MRI) visualization, where a peripheral surface of the structure defines [[a]] two or more cells at a first end of the structure; and
a radio frequency (RF) marker located on only the peripheral surface of the structure that delineates a circumference of each of the two or more cells of the structure to emit sufficient RF energy under MRI visualization to disturb hydrogen atom spins of at least one voxel.
14. (Currently Amended) The medical device of claim 13 wherein the RF marker comprises [[a]] generally concentric loops of conductive material.
15. (Currently Amended) The medical device of claim [[14]] 13 wherein the cell is interconnected to additional cells of the structure by connectors of a flexible polymer.
16. (Currently Amended) The medical device of claim [[14]] 13 wherein the two or more cells define [[s]] at least a portion of a peripheral circumference of the structure.
17. (Currently Amended) The medical device of claim [[14]] 13 wherein the RF marker comprises ~~a multi-loop winding of conductive material~~ peripheral surface defines two or more cells at a second end of the structure opposite the first end of the structure, where the RF marker delineates the circumference of each of the two or more cells at the second end.

18. (Currently Amended) The medical device of claim 17 wherein at least the RF maker ~~two of the multi-loops~~ are oriented relative to one another to generate the RF energy under magnetic fields applied in different directions.

19. (Currently Amended) The medical device of claim ~~[[18]]~~ 13 wherein the RF marker ~~multi-loop winding~~ is embedded in the structure.

20.-21. (Canceled)

22. (Original) The medical device of claim 13 and further comprising:
a magnetic susceptibility marker connected to the structure.

23. (Currently Amended) A method of implanting a medical device, comprising:
inserting the medical device having a generally tubular structure formed of material substantially invisible under magnetic resonance imaging (MRI) visualization, where the generally tubular structure includes two or more ~~[[a]]~~ cells positioned at either end of the generally tubular structure and oriented generally orthogonal to each other, each of the two or more cells having ~~[[with]]~~ a radio frequency (RF) marker that defines a perimeter of ~~[[the]]~~ each cell, into a body cavity;

exposing the medical device to a magnetic field generated by a MRI system;
and

visually detecting changes in atomic spins due to radio frequency (RF) energy emitted, under influence of the magnetic field, by ~~[[a]]~~ the RF marker on the medical device while the generally tubular structure apart from the cell with the RF marker remains substantially invisible under MRI visualization.

24. (Original) The method of claim 23 wherein visually detecting comprises:
visually detecting changes in atomic spins due to both the RF marker and a magnetic susceptibility marker.